

CeLAN Fiber Conversion

DS-Ce-FC Rev A



General

The CeLAN Fiber Conversion Module expands the versatility of Protector Panel by allowing the CeLAN to be converted from standard copper wires to a dual fiber. On Protector Systems, you can connect multiple fiber conversion modules to a single panel as needed to provide secure communications.

The fiber optic communication performance can readily be determined via the on-board LED Fiber Strength Meter. The meter uses 5 LEDs (one red and 4 green) to display the strength of the fiber signal coming in from the other CeLAN Fiber Conversion Module and is a readily recognized in a ‘cell phone’ like signal strength display.

CeLAN Fiber Conversion Modules:

- Ce-FC-N Normal Range (Multimode)
- Ce-FC-ER Extended Range (Multimode)
- Ce-FC-S Single Mode (Single Mode)

Multimode Fiber:

Multimode fiber is mostly used for communication means over shorter distances, as within a building. Typical multimode links have data rates of 10 Mbit/s to 10 Gbit/s over lengths up to 600 meters.

Multimode fiber has a larger core size allowing for simpler connections, normally orange in color (may differ in some locations)

Single Mode Fiber:

Single mode fiber is used where a high precision communication means is required. Better performance over long distances.

Single mode fiber has a smaller core, and normally yellow in color (may differ in some locations)

Features

- CeLAN AES encrypted technology for security, easy setup and enhanced performance
- 5 LED Bar Graph Fiber Signal Strength display
- ST/SC Fiber Connectors
- One (1) fully supervised input zone
- Five (5) state zones:
 - Open Circuit
 - Supervised Circuit (3.0k EOL)
 - Short Circuit
 - Ground Fault High
- On-board LED power and CeLAN bus status indicators
- Includes Accessory Hardware kit
- Mounts inside Protector, Protector Accessory, or Encrypted Receiver
- ‘CINCH Stick’ Field Upgradable firmware



Multimode Fiber

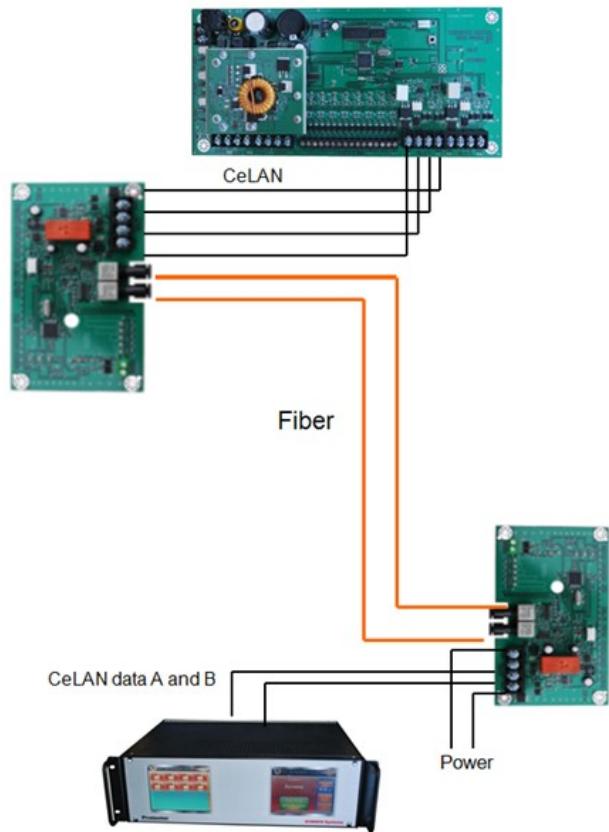


Single Mode Fiber

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Specifications

- Power Requirements:** 12 VDC nominal (8.0 VDC minimum, 30 VDC maximum), 35 mA maximum
- Panel Data Bus:** CeLAN - 128 Bit AES Encrypted
- CINCH Stick Port:** One (1) - 128 Bit AES Encrypted, CINCH Stick port.
- Fiber Connector Type:** Threaded ST Conductive Port
- Storage Temperature:** -30° to 140° F (-34° to 60° C)
- Operating Temperature:** 32° to 120° F (0° to 49° C), up to 140° F (60° C) under temporary conditions
- Maximum Humidity:** 90% relative humidity, non-condensing
- Listings:** UL 1076
FCC Part 15
FIPS 97 Cert# 1125



Ordering

Control Panel	CeLAN Modules	CeLAN Accessories	Accessories
PCU-IDS Protector Panel	Ce-DS938Z Motion Ce-DS308 Motion Ce-DSISC Motion Ce-M3ZS HSS L2 Contact Ce-M1ZRS Recessed Contact Ce-1076DRS Recessed Contact Ce-1076HRS Recessed Contact Ce-U1Z Universal 1 Zone Ce-WF2ZI Wellsfargo Contact Ce-U2Z Universal 2 Zone	CO-CSU Cinch Stick CO-PS2KI Keyboard Module CO-T-P Panel Tester CO-T-8Z 8 Zone Tester CO-T-4R 4 Relay Tester CO-T-Printer Printer Tester CO-PRSI Siren Supervision Ce-EX Expansion Module	L-M-KD Panel Lock L-M-KA Panel Lock ACC-CFC-S Fiber Cable L-S Standard Panel Lock ACC-CFC-MM Fiber Cable S-ET Panel Tamper
Touch Screen	Receivers	Power	Enclosures
Ce-TS Touch Screen	Ce-AESR-IDS AES Receiver	ACC-24T-100 Transformer ACC-B12-18 18Ahr Battery ACC-B12-7 7Ahr Battery ACC-6P Power Cord E-CB Termination Box	E-P Panel Enclosure E-P-Kit E-CP Plastic Enclosure E-PA Accessory Enclosure E-PA-Kit E-PA-S Small Accessory Enclosure E-PA-S-Kit
Expansion Modules			
Ce-2ZI 2 Zone Input Ce-8ZI 8 Zone Input Ce-4RO 4 Relay Output Ce-24ZI 24 Zone Input			
Communication Modules			
Ce-FC-N Fiber Conversion Ce-TCP/IP Network Module Ce-FC-ER Fiber Conversion			

For more information: www.cinchsystems.com

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CINCH
AES ENCRYPTED